



Guillermo Pérez Ruiz

Tech Lead (Hands-On) / Senior Full-Stack Engineer

Hands-on **Tech Lead** with a strong focus on product, architecture, and execution. I lead from the code ("player-coach"), combining technical decision-making, balancing product priorities with technical debt, and direct implementation of complex, high-impact changes. Specialized in modernizing legacy platforms, scalable cloud architectures, and advanced CI/CD.

LINKS & CONTACT

gpr-dev.vercel.app

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Burgos, Spain · Remote

CORE TECH STACK

LEADERSHIP

Tech Lead Player-Coach

Mentoring System Design

Agile/SAFe

CLOUD & DEVOPS

AWS ECS/S3 Docker GH Actions

Terraform Snyk/Sonar

LANGUAGES & FRAMEWORKS

TypeScript React Node/NestJS

Spring Boot Go Electron Scala

DATA & SYSTEMS

PostgreSQL MongoDB Redis

Kafka CAN bus/UDS

EDUCATION & CERTS

BSc Computer Engineering

University of Salamanca

SAFe 4 Agilist Java SE 8

LANGUAGES

Spanish: Native

English: C1 (Full professional)

PROFESSIONAL EXPERIENCE

Tech Lead (Hands-On) / Senior Full-Stack Engineer

2021 – PRESENT

MAHLE SmartBike Systems

Technical owner of the digital ecosystem, leading a team of 4 Full-Stack engineers.

- **Legacy Modernization:** Transformed a large React/Express application with severe technical debt (monolithic files, manual deployments) into a modern architecture.
- **Cloud Infrastructure:** Migrated entire infrastructure to **AWS ECS (Fargate)** with auto-scaling, ALB, and orchestrated the frontend on S3 + CloudFront.
- **Advanced CI/CD:** Implemented automated pipelines with branch sync, release blocking, and integrated quality gates using **Snyk, SonarQube, and E2E testing**.
- **Frontend Evolution:** Led progressive migration to React Hooks and TypeScript, ensuring 24/7 production stability for thousands of users.
- **Data Optimization:** Decoupled monolithic DB by moving raw location data to S3, sessions to Redis, and volatile configs to NoSQL.
- **Electron & Low-Level:** Developed/maintain an Electron app for manufacturing lines, integrating **CAN bus/UDS protocols** for bike diagnostics and firmware updates.

React AWS ECS TypeScript Redis Docker Electron Kafka

QA-DevOps & Full-Stack Developer / Technical Lead

2020 – 2023

Izertis S.A. (Client: Inditex)

Core member of a transversal team improving software quality across thousands of repositories.

- **Enterprise Automation:** Developed mass-analysis scripts and centralized metrics in **Grafana** to evaluate the technical health of the entire organization.
- **Technical Lead:** Headed the development of the internal Application Discovery Platform ('Yellow Pages') using React, Spring Boot, and Kafka.
- **Standardization:** Enforced quality gates (Sonar, Jacoco, Snyk) and migrated legacy pipelines from Bamboo to **GitHub Actions** at global scale.

Spring Boot React GitHub Actions Kafka Grafana Go

Full-Stack Programmer Analyst

2018 – 2020

Cognizant Technology Solutions

Full-stack development for KBC Bank (Belgium) in a microservices environment.

- **Banking Flows:** Modernized digital banking features, migrating legacy components to modern Angular while maintaining high security standards.
- **Microservices:** Designed and implemented high-criticality services from scratch using **Spring Boot and Scala**.
- **Global Collaboration:** Worked in 100% English-speaking squads distributed across Belgium, India, and Czech Republic.

Angular Java Microservices Jenkins Scala

PERSONAL PROJECTS (PRODUCTION-READY)

Adventure Forge

AI-powered engine with dynamic narrative/image generation and high-availability fallback system (NestJS, React, MongoDB).

Galactic Conquest

Space-themed procedural deckbuilder roguelike leveraging AI for card generation and world-building (React 19, Vite).

[VIEW SYSTEM](#)[VIEW REPO](#)**Crearte es Arte**

Professional e-commerce platform for artisan crafts with full CI/CD deployment on Vercel and SEO optimization.

[VISIT STORE](#)**Yoga & Mindfulness App**

Published Android application for tracking practice and mindfulness sessions (BSc Final Project).

[ANDROID / JAVA](#)